

## BLUEPRINT UPDATE

### Operations Excellence, Lab Space Managers, and Next Steps for Research Operations Coordination and Oversight

By Gerry Stokes, Associate Laboratory Director for Global & Regional Solutions

The Research Operations Coordination and Oversight (ROCO) plan is changing the way we operate our lab space at Brookhaven. It improves responsiveness to the needs of primary investigators and Lab management and safety concerns. Operational excellence is one of the primary goals in the Fiscal Year 2012 Annual Laboratory Plan, and I, along with all the staff members implementing ROCO, am pleased to see progress on this front.

An important part of ROCO during the last year has been establishing a Space Manager program. There are two kinds of Space Managers: the Research Space Manager (RSM) and the Cognizant Space Manager (CSM).

RSMs are associated with a specific building or facility (such as the Center for Functional Nanomaterials).

CSMs are associated with a laboratory (or a beamline in the case of the National Synchrotron Light Source), where there is more than one department within the same building, or where there are many devices or significant pieces of equipment within the same department, such as the Collider-Accelerator Department (C-AD).

The Lab's Integrated Facility Management (IFM) program is responsible for each facility's physical structure and essentials, such as plumbing, heating, and electricity. ROCO is responsible for the people, the programs, and the science that takes place inside our facilities. Together, the ROCO and IFM teams are working in concert to ensure that the scientists and researchers can focus on the scientific exploration that furthers the Lab's mission.

The RSMs and CSMs provide oversight of activities and operations of a research project's people, resources, and equipment. And they enable safe working conditions, acting as stewards of the lab space. To find the RSMs and CSMs for a particular lab space or program, you should use the look up tool on the new ROCO website: [intranet.bnl.gov/roco](http://intranet.bnl.gov/roco).

Also, I was pleased to participate in a new video that introduces and explains the RSM



Learn more about ROCO: [www.bnl.gov/video/](http://www.bnl.gov/video/)

and CSM roles. You can also learn more about ROCO's overall goals in this article: <http://intranet.bnl.gov/blueprint/news/news.asp?a=2243&t=today>.

RSMs and CSMs are accountable to department chairs, primary investigators, or group leaders. They also work closely with the Directorate Chief Operating Officers (DCOOs), who are:


- **Michael Cowell:** Basic Energy Sciences, Environmental & Life Sciences, and Global and Regional Solutions Directorates
- **Diane Hatton:** Photon Sciences Directorate
- **Ed Lessard:** Nuclear & Particle Physics' (NPP) C-AD
- **Bob Ernst:** NPP's Physics Department, Instrumentation Division, and Superconducting Magnet Division

These four DCOOs report to the ALDs for each science directorate. They also work closely with the support directorates, by way of the Operations Council, whose membership is rounded out by:

- **Ray Costa:** Facilities and Operations
- **John Selva:** Environment, Safety & Health
- **Kevin Fox:** Business Operations
- **Mike Dooling:** Information Technology Division

The Operations Council reports, via its sponsor Deputy Laboratory Director for Operations Mike Bebon, to the Policy Council. It focuses on operational risks, the impact of emerging regulations, and continuous improvement initiatives. This means it is spending a lot of time and effort looking for ways to remove impediments to doing meaningful and safe science at Brookhaven Lab.

ROCO comes under the Blueprint goal to achieve safety and operations excellence. By designing and implementing this management framework consistently across Brookhaven Lab, we help meet our mandate for sustainable safety performance improvement, which underpins the Laboratory's long-term growth agenda.



## WHAT IS A FLAME?

### SBU's Flame Challenge Puts Scientists in the Hot Seat

An 11-year-old Alan Alda asked his teacher 65 years ago, "What is a flame?" Today, the famed actor, founding member of the Stony Brook University School of Journalism's Center for Communicating Science and Visiting Professor in the School of Journalism is still waiting for a clear answer.

To get it, in a guest editorial in the March 2 issue of *Science*, Alda issued "The Flame Challenge" to scientists: give an 11-year-old-friendly explanation of what a flame is.

The contest is open for entries, including from the Brookhaven Lab community, from March 2 to April 2. The submissions may be in writing, video, or graphics, playful or serious, as long as they are accurate and connect with the young judges. The winners will be announced in June. For more information and entry forms, visit [www.FlameChallenge.org](http://www.FlameChallenge.org).

**See Flame Challenge on p. 2**

Roger Stoughton bnl DSC 66A5

## Sam Aronson: 'Laboratory Director of the Year' Honored by FLC for Tech Transfer Impacts

BNL Director Sam Aronson has been named 2012 Laboratory Director of the Year by the Federal Laboratory Consortium for Technology Transfer (FLC). The award recognizes federal laboratory directors who have made significant contributions to technology commercialization in their organizations.

"I am tremendously honored to be recognized by the Federal Laboratory Consortium for Technology Transfer," said Aronson. "Brookhaven Lab has made great strides in increasing the impact of our research by expediting the translation of our discoveries into market applications. I feel fortunate to have played a role in that process, and in strengthening Brookhaven's research and development partnerships with industry."

Since becoming Lab Director in 2006, Aronson has significantly expanded emphasis on the development and commercialization of Lab technologies



Roger Stoughton bnl DSC 66A5

In August 2011, Brookhaven Lab Director Sam Aronson (second from left) was one of several key participants at a technology showcase hosted at BNL for entrepreneurs and investors, offered with Accelerate Long Island. Joining him were (from left) Managing Director of CanRock Ventures Mark Fasciano, Manager of BNL's Office of Technology Commercialization and Partnerships Walter Copan, President of the Long Island Association Kevin Law, Town of Brookhaven Supervisor Mark Lesko, and Executive Director of the Long Island Angel Network Marc Alessi.

through patents, licensing, and collaborations with industrial partners, bringing in new sources of revenue and valued research and development relationships. He has played a key role in bridging the gap between basic and applied science, lead-

ing to accelerated transfer of Brookhaven technologies to the marketplace. Between 2009 and 2011, 112 inventions were disclosed, 30 patents were issued and 116 commercial and research licenses were executed.

**See Director of the Year on p. 2**

## 'Clouds, Waves and Supernovas,' 3/15 Talk by Katherine Prestridge, LANL, Sponsored by Brookhaven Women in Science

Katherine Prestridge, Leader of the Extreme Fluids Team at Los Alamos National Laboratory (LANL), will give a talk, titled "Clouds, Waves and Supernovas: understanding fluid mixing in extreme conditions," on Thursday, March 15, at 4 p.m. in Berkner Hall. All are invited to this free lecture, which is open to the public and sponsored by Brookhaven Women in Science (BWIS). Visitors to the Laboratory age 16 or older must carry photo I.D.

Prestridge, who is also the Principal Investigator for the horizontal shock tube, vertical shock tube, and turbulent mixing tunnel experiments, leads the Extreme Fluids team in the study of hydrodynamic instabilities, mixing, and turbulence. Under extreme circumstances such as these, fluid mixing and instabilities yield surprising effects that are not fully understood and are difficult to predict.

In her talk, Prestridge will describe several types of fluid instabilities that are seen in everyday life that cause fluids to mix in space, the atmosphere, the



ocean, and even in your coffee cup! Her team performs experiments in the laboratory that recreate many of the conditions seen in an exploding supernova. By performing experiments in the laboratory, they are able to control their experiments carefully and make detailed measurements of velocity, density, and pressure. These measurements aid our understanding of turbulent mixing and how to predict complex phenomena using computer simulations.

The Prestridge team's experimental measurements are the

highest resolution in the world, and their results are leading international research in instabilities and mixing. This research is a top national priority for work at the National Ignition Facility in Livermore, California, where scientists are re-creating the same fusion conditions found in stars in the hopes of creating a fusion energy supply on earth.

Prestridge, who received a bachelor's in aerospace engineering from Princeton University in 1992, earned her Ph.D. in applied mechanics from U.C. San Diego in 1998. She has been a scientist at Los Alamos National Laboratory since 1998. She received the Postdoctoral Publication Prize in 2001 for her paper on the first measurements of vorticity in a shock-driven flow. Prestridge received DOE's Defense Programs Award of Excellence in 2007 for her work on the horizontal gas shock tube, and the Los Alamos Star Award in 2008 for her leadership.

— Natalie Crnosija

BWIS is an organization that actively works for the advancement of women at BNL. (See related story, on p.2.)

476 Brookhaven Lecture, 3/21

**Microelectronics for Science — Enabling New Detectors**

**Gianluigi De Geronimo, Instrumentation Division**

**Talk to be held in Berkner Hall at 4 p.m.**



# Past BNL History Still Present: Brookhaven Women in Science

Brookhaven Women in Science (BWIS) is a well-recognized institution within the Lab community. An interdisciplinary organization, BWIS aims at increasing awareness of the accomplishments of women in science and aiding women's advancement in scientific and technical careers. Among other activities, BWIS members run two prestigious annual scholarships for women, organize career days for high school and college girls and boys, and host talks on forefront topics of wide scientific interest. In fact, the next BWIS-sponsored speaker, Katherine Prestridge of Los Alamos National Laboratory, will be speaking on March 15 on "Clouds, Waves and Supernovas: Understanding Fluid Mixing in Extreme Conditions," (see p.1).

Said Lab Director Sam Aronson, "These days, when women provide leadership in so many fields, it could be easy for many of us to assume that the difficulties that women in science faced in the past are a thing of the past. But we have not yet reached gender equality in science and technology and BWIS continues to be an important part of striving for that goal. The Brookhaven administration has always supported the work of BWIS, which enriches the Lab in ways that benefit us all, and continues to do so."

## First Steps

BWIS was conceived about 1977-79 as the brainchild of the late Victoria McLane, who worked at BNL's National Nuclear Data Center (NNDC), and 1995 retiree Harriet Martin, who in the late 70s held two part-time librarian positions, one at the Alternating Gradient Synchrotron Department and one at the NNDC, where McLane — a computer 'maven' according to Martin — was her supervisor.

As Martin recalls, "Before coming to BNL, I had been active in getting the Three Village School District to comply with Title IX, which was a federal law concerning gender equality in the schools. At BNL, I convinced Vicki with very little persuasion



Roger Stoutenburgh 8-27-89

This photo of Brookhaven Women in Science members was taken in 1989 to commemorate the group's ten-year anniversary.

that with women scientists and engineers working here, we could organize a group to go to the schools and talk about science and engineering to girls to get more of them into fields where women were scarce. This effort Vicki named 'One Mind,' after a quote by Plato.

"We contacted and introduced to each other women scientists and professional staff to let them know our plans," continued Martin. "Vicki enlisted the help of mentors to back us — including the late Sol Pearlstein, who headed the NNDC and allowed us to work on the project during lunch and after hours, and the late Warren Winche, BNL Deputy Director, who was very supportive and gave a talk to our group about the Lab culture. Others who smoothed our path were the late physicist Gertrude Scharff-Goldhaber, who was the first female Ph.D. hired at Brookhaven; Janet Whitehead of the then Personnel Division; and the late Gail Williams, Manager of Scientific Personnel."

## Naming BWIS

The initial goal was to send female BNL employees into local schools and libraries to serve as role models for students. First

named BNL Scientific and Professional Women, the group made its debut on Valentine's Day of 1979 at the Bay Shore-Brightwaters Public Library.

Then, after more discussion among the pioneers of the group (and "hours and hours of work" by McLane and Martin, said Martin, in writing a charter), on September 26, 1979, the group became BWIS. Founding members included retirees Louise Hanson and Eena-Mai Franz — Franz and Martin being the first BWIS leaders or "co-cordinators;" Stephanie LaMontagne, now of the Collider-Accelerator Department; and the late Prantika Som of the Medical Department. Over the years, these women and many others built up BWIS activities and enlarged its scope to benefit all BNL employees.

Said Martin, "Vicki used to say that I was the 'idea' person and she was the one who implemented the logistics. I think we both did equal work in both areas, but Vicki did leave me most of the one-to-one and general P.R. work in trying to inspire others to join us. We both believed that our lasting legacy to BNL was BWIS."

When BWIS first met in 1979, the group could not have foreseen that, over 30-plus years, their net-

work would have accomplished so much at and for BNL. For example, in 1982, a branch of a federal credit union was established at BNL as a result of a BWIS proposal to ensure equal credit opportunity for all Lab employees and facility-users. Thanks to BWIS's efforts, in 1988, BNL permitted both women and men employees to take up to three months of leave following the birth or adoption of a child. Also thanks to a BWIS initiative, the first child care center nationwide built and dedicated at a DOE Facility was established at BNL in 1990.

"That's not all," said LaMontagne. "BWIS members participated in Brookhaven Town's Dress for Success program and the annual walk in Stony Brook to raise funds for cancer research. We also developed a relationship with the Women in Science and Engineering (WISE) program at Stony Brook University — WISE organizers and students have joined in the BWIS career day events and we have attended WISE functions.

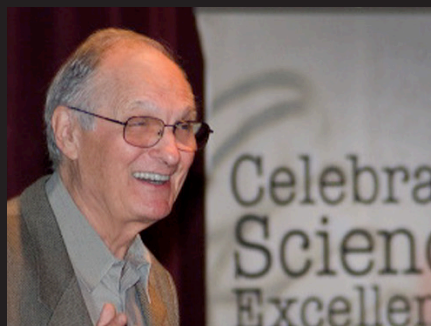
"The social aspects of BWIS should not be overlooked," continued LaMontagne. "Life at the Lab in the early 80's could be very lonely for women. Lasting friendships grew from the

network we built. We spent time together informally and rarely missed an opportunity to celebrate a marriage, the birth of a child, or a significant professional achievement. BWIS had a profound influence on my life, enabling me to achieve change and enrichment. On the job now, I still actively work to support women colleagues who struggle to balance the demands of family and career, and within my family, I share what I have learned from BWIS with my daughter."

Open to both women and men, BWIS is supported through yearly members' dues, as well as by contributions from BSA.

"Women have made strides in achieving equality in the work place, but we are not quite there yet," said Vivian Stojanoff of the Photon Sciences Directorate, who, with Linda Bowerman of the Global & Regional Solutions Directorate, currently leads BWIS. "The role of BWIS today is to celebrate women's participation in science through a vigorous colloquia program and to stimulate young women into science careers through mentorship and professional networking."

— Marsha Belford and Diane Greenberg, with Liz Seubert  
See also: [www.bnl.gov/bwis/](http://www.bnl.gov/bwis/).



Alan Alda during his visit to BNL in 2010

## Flame Challenge from p. 1

Alda's hope is that today's researchers are better equipped to communicate knowledge and instill a love of science in children.

"The natural curiosity of a child can be both the beginning of the next generation of science, and a stimulating challenge for this generation's scientists to communicate with clarity and imagination," Alda said. This editorial challenge began the month-long contest wherein submissions will be judged by a panel of 11-year-olds, after a panel of scientists evaluates them for scientific accuracy.

"We're also asking children to email us with other questions they would like scientists to answer," said Elizabeth Bass, Center for Communicating Science Director. "We'll select one for our next Flame Challenge. This

is a fun way to help both scientists and kids learn new things about science." Email questions to [communicatingscience@stonybrook.edu](mailto:communicatingscience@stonybrook.edu).

This contest is not Brookhaven's first interaction with Alda and Stony Brook's School of Journalism. At an April 2010 workshop at the Lab, Alda worked with BNL scientists to help improve their communication with the public about their research, about how science works, and why it matters. And the Lab, with Cold Spring Harbor Laboratory, gives students in SBU's Master of Science Program in Journalism — a graduate program focused on coverage of health, the environment, science and technology — access to advanced research and leading scientists.

The Flame Challenge is sponsored by the Center for Communicating Science, which is dedicated to helping current and future scientists learn to communicate clearly with the public, giving workshops and presentations for scientists at universities, laboratories and meetings around the country. At Stony Brook, the Center for Communicating Science has developed a series of innovative Communicating Science courses being taken for credit by master's and Ph.D. students from more than a dozen science disciplines. — Natalie Crnosija

## Director of the Year from p. 1

Under Aronson's direction, the Lab has significantly expanded its partnerships and collaborations within New York State (NY), especially in the area of energy-related research and development. BNL has taken on a major role in the NY State SmartGrid Consortium and the New York Battery and Energy Storage Technology Consortium, and is working closely with upstate corporations — including General Electric and SuperPower — to develop and test new energy technologies.

In 2011, NY State Governor Andrew Cuomo appointed Aronson to the Long Island Regional Economic Development Council, one of 12 councils statewide that developed a strategic plan for economic development and advanced associated regional projects aimed to stimulate commercial vitality. BNL is receiving funding for two projects that made it through the rigorous screening and selection process — one to help develop the next-generation electric grid and another to head up a regional hub for science, technology, engineering, and math education initiatives.

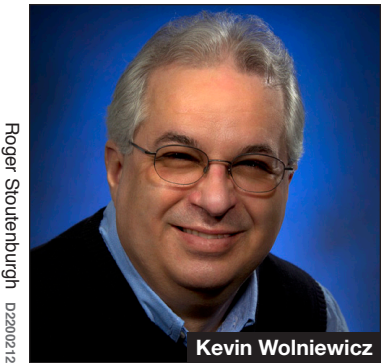
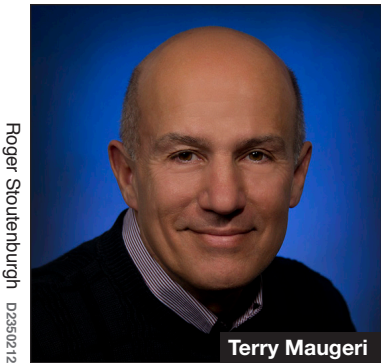
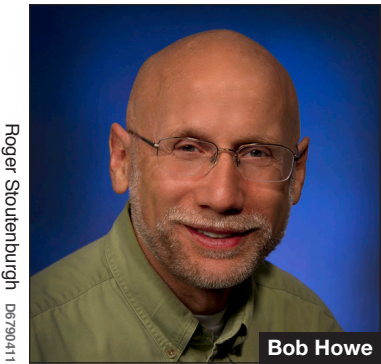
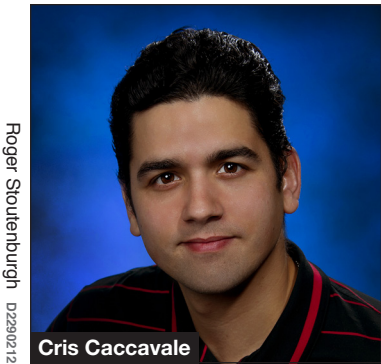
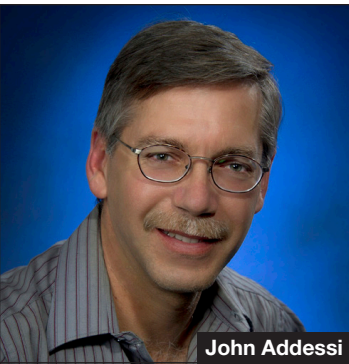
Locally, Aronson has spearheaded the Lab's active participation in "Accelerate Long Island," a business development initiative that seeks to connect private sector entrepreneurs and investors with opportunities to partner on the commercial development of new technologies available from local research institutions, including

Brookhaven Lab, Stony Brook University, Cold Spring Harbor Lab and Hofstra University. Several Brookhaven technologies featured in this initiative have already resulted in company startups, and expanded licensing success regionally.

Nationally, as leader of the Executive Committee of the National Laboratory Director's Council from 2010-2011, Aronson championed the new Agreement to Commercialize Technology (ACT), the first new technology transfer mechanism available to the DOE national laboratories in many years. In this capacity, Aronson helped shape the new DOE technology transfer policy, ensuring that the voices of industry, the national laboratories, and stakeholders were heard and translated into action.

Aronson received his Ph.D. in Physics from Princeton University. Before coming to BNL as an associate physicist on the Relativistic Heavy Ion Collider precursor project ISABELLE in 1978, Aronson was a senior research associate at the Enrico Fermi Institute for Nuclear Studies at the University of Chicago and an assistant professor of physics at the University of Wisconsin, Madison. He became Chair of the Physics Department at BNL in 2001, then Associate Director for High Energy & Nuclear Physics in 2005. Aronson is a Fellow of both the American Physical Society and the American Association for the Advancement of Science. — Natalie Crnosija





# Meet the BERA Board Candidates for 2012

All employees, retirees, and term-appointed guests at BNL are invited to vote on new board members for the Brookhaven Employees' Recreation Association (BERA). Contractors cannot vote. Four of eight positions on the Board are available this year, and terms are four years long. Electronic voting will open from the BERA website ([www.bnl.gov/bera](http://www.bnl.gov/bera)) from Monday, March 26, at 8 a.m. and will end on Friday, March 30, at 3 p.m. Paper ballots will be available from 11:30 a.m. until 2 p.m. in the Lobby of Bldg. 400 on Thursday, March 29, and in the lobby of Berkner on Friday, March 30.

**John Addressi**  
John Addressi has been a BERA member since joining the Lab in 1984 — 27-plus years ago. He has been involved mainly with sports, mainly in softball and volleyball, and has captained both for many years. Addressi also enjoys participating in many of the BERA trips. His other BERA activities include bowling, racquetball, whitewater rafting and camping. He believes that as a board member, he will be an asset to BERA by helping to promote BERA activities and arranging more trips that would be of interest to many BNLees. Some trips he has in mind are: Mountain biking along the Lehigh River in Pennsylvania, a fishing trip in the Long Island Sound, and visiting Longwood Gardens near Philadelphia. And, he says, "Other ideas are always welcome!"

**Cris Caccavale**  
Cris Caccavale, a Customer Support Engineer in the Staff Services Division, came to BNL in 2007. He is a member of the Archery Club, and has more hobbies than he can afford, he says.  
"Many people's lives revolve around work, but I think home life and activities are also very important, and BERA is part of this," he says. "I am interested in travel and outdoor activities and hope to be more of an advocate for everyone who is not on the Board. I think BERA is a great opportunity for those who wish to expand their horizons. It presents opportunities to people that they may never have known existed, and helps us make friends and feel enthusiastic about the place we work."

**Christine Herbst**  
Christine Herbst, an administrative assistant with the Photon Sciences Directorate, has been at BNL for 10 years. She was an active member and a recording secretary for the BERA Camping Club, and is a current member of the gym. She enrolled her children in the BNL summer camp program and has participated in various BERA trips and functions. She strongly believes that BERA trips and activities are an excellent way to meet and interact with employees and their family members from other departments whom you may

never have the opportunity to meet otherwise. Herbst feels that the BERA activities at the Lab are just one of the many perks of being an employee here. She brings with her a great deal of experience in planning meetings, scheduling events, coordinating trips and dinners for the many meetings and workshops that she coordinates for her current directorate. If elected to the BERA Board, Herbst says, "I would like to bring a variety of different trips to the Lab and I would encourage more people to participate in BERA activities."

**Bob Howe**  
Bob Howe, a project engineer with the Environmental Protection Division, came to BNL in 1990. He is a member of BERA's Soccer Club, and has participated for several years in the co-ed softball and volleyball leagues.  
"BERA has so many opportunities," says Howe. "I especially enjoy the trips, since you can attend with family and co-workers. Even if you go by yourself, everyone is very friendly on the bus and you can meet people you have spoken to at work but never met. Not having to drive also relieves stress, plus you can't beat the price!"  
"I don't have any particular agenda if elected to the Board since the organization runs well already," Howe continues, "but I plan to contribute my positive attitude, enthusiasm, and my ideas and those of others, to continue to make BERA a beneficial opportunity for all employees."

**Jeanne Marie Krauss**  
Jeanne Marie Krauss of Business Operations joined BNL in 2010.  
"I have enjoyed several BERA trips, which are a great way to meet people," she says. "The BERA Board has been receptive to some of my ideas for trips and if elected, I will continue to research new ideas for trips and activities. I have always found time to participate in volunteer activities. I was involved with the LI2DAY Breast Cancer Walk for five years, raising funds and leading training walks in preparation for the 35-mile walk held in June of each year. I would love to organize a club for walking. What better motivation to get out and walk than to do it with a group

of friends. Come join me and get motivated to walk at lunchtime!"

**Terry Maugeri**  
Terry Maugeri is the Training and Qualifications Manager in Human Resources and has been part of the BNL community for more than 21 years. He actively participates in badminton, tennis, and weight room activities. The BERA trips that he has taken have always been wonderful, he says. In talking with current Board members, he learned that many strong friendships result from participation in BERA activities. This is not only important from a personal standpoint, but also a benefit from a business perspective, he says. Knowing people around the Lab makes networking a lot easier when the need arises. Maugeri also values BERA facilities and clubs as vital to BNL's wellness program. If elected, he would like to use existing tools (social networking, Yammer) to communicate with all Lab employees about upcoming activities. He also will encourage those who have taken a BERA trip to share their experience with others. In addition, he would like to institute occasional surveys to increase participation and find out what other types of activities would be of interest.

**Menzel Smith-Jones**  
Menzel Smith-Jones, Administrative Assistant for the Office of Educational Programs, joined BNL in 2010 following a 15-year administrative and marketing career in the cosmetic dental industry. Shortly after she arrived at BNL, Smith-Jones enrolled her children in the BERA Jiu Jitsu class. She was very excited that her children were welcome at her new workplace, which made juggling work, family and leisure time easier. Smith-Jones is now a member of BERA's African American Affinity Group.  
"Being involved with these groups increase productivity and encourage stronger communication and respect," she said.  
Smith-Jones plans on bringing more education-based recreational programs and trips to BNL. Through BERA events, she would like to make education, recreational enrichment, relaxation, and excitement available to the entire Lab community in

enjoying the world of science with their families. As a member of the BERA Board, Smith-Jones feels she will be a team player and bring focus, fun, and a healthy attitude.

**Kevin Wolniewicz**  
Kevin Wolniewicz, a technical associate with the Instrumentation Department, came to BNL in 1992. He has enjoyed attending many of the BERA-sponsored trips and activities over the years and is looking forward to many more. "Participating in BERA club-sponsored activities, such as concerts and art shows, really helps me feel that BNL isn't just a place of work, but more like a community," he says. Being a father, he can also appreciate the many discounts the BERA store offers for movie tickets, the Long Island Aquarium and the local water park — amongst others.  
If elected, Wolniewicz would be interested in setting up trips to different art and science museums and family oriented trips such as the Dutchess County Fair or the Rhinebeck Aerodrome. Also, "I would strive to raise people's awareness of what BERA can offer them and how much of an impact joining in the events and activities can have on their time here."

Arrivals & Departures	
— Arrivals —	
Philip Beuparlant .....	NNS
— Departures —	
Jamie Farrington .....	Chemistry
George Kontovrakis .....	En&Utilis
Michael Mitrovski .....	Physics
Dieter Mueller .....	Physics
Nicole Puglin .....	QM
David Shapiro .....	Photon Scis

**'Managing Stress' Talk on 3/15**  
BNL's Employee Assistance Program will host a talk, "Managing Stress of Organizational Change" on Thursday, March 15, at noon in Berkner Room B. Topics to be discussed include how change creates anxiety, stress, strains, burnout, and emotional exhaustion; stress management tips; and maintaining good physical health through the "stress-busting" resources offered at BNL. To attend, RSVP to Nancy Losinno: [nlosinno@bnl.gov](mailto:nlosinno@bnl.gov).

## CALENDAR

— WEEK OF 3/12 —

Thursday, 3/15

**\*'Managing Stress' EAP Talk**  
Noon. Berkner Hall, Room B. Employee Assistance Program Manager Nancy Losinno will talk on "Managing Stress of Organizational Change." Seating is limited, so please register at [nlosinno@bnl.gov](mailto:nlosinno@bnl.gov). See notice below.

**\*Talk on Clouds, Waves, Supernovas**  
4 p.m. Berkner Hall. Sponsored by Brookhaven Women in Science, Katherine Prestridge of Los Alamos National Laboratory will speak on "Clouds, Waves and Supernovas: Understanding Fluid Mixing in Extreme Conditions." All are welcome to this free event, open to the public. Visitors to the Lab of 16 and older must carry photo I.D. See p.1.

— WEEK OF 3/19 —

Wednesday, 3/21

**476th Brookhaven Lecture**  
4 p.m. Berkner Hall. Gianluigi De Geronimo, Instrumentation Division, will talk on "Microelectronics for Science — Enabling New Detectors." All are welcome to this free event, open to the public. Visitors to the Lab of 16 and older must carry photo I.D.

— WEEK OF 1/26 —

Monday, 1/26

**IBEW Meeting**  
6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

**SPRING AHEAD THIS WEEKEND!**  
After a lovely Juneuary, spring is almost here. Remember to set clocks ahead for Daylight Savings Time, which begins at approximately 2 a.m. this Sunday, March 11. Check carbon monoxide and smoke detector batteries, also.

**2012 Gertrude Goldhaber Prize: Call for Nominations**  
Brookhaven Women in Science is now accepting nominations for the 2012 Gertrude S. Goldhaber Prize. This award honors the late Gertrude Scharff-Goldhaber, a renowned BNL nuclear physicist and a founding member of BWIS.

The \$1,000 award is granted to a female graduate student in physics, who is recognized for her substantial promise and accomplishment. She will be expected to give a seminar on her work at the award ceremony in the spring. To be eligible, she must be an enrolled physics graduate student who is a candidate for a doctoral degree, but she should not be graduating with that degree before spring 2012. She must either be enrolled at Stony Brook University (SBU), or she should be performing her thesis research at BNL.  
BNL staff and members of the faculty of SBU's Department of Physics & Astronomy can make nominations before March 31, 2012. For more information or to obtain copies of the nomination form, contact Linda Bowerman, Ext. 4265, or [lindan@bnl.gov](mailto:lindan@bnl.gov).

**For the Record**  
On p.4 of the 3/2 Bulletin, BNL's Summer Camp EXPO was incorrectly listed as 3/18. The correct date — 3/8 — was on p.3. Many regrets.



## Classified Advertisements

### Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at [www.bnl.gov/HR/jobs/](http://www.bnl.gov/HR/jobs/).

To apply for a position, go to [www.bnl.gov](http://www.bnl.gov). Select "Job Opportunities," then "Search Job List."

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees only.

**LABORER (LG-3)** - Performs wide variety of manual labor tasks on roads, grounds or building maintenance. May perform unskilled tasks assisting mechanics. Operates such equipment as power lawn mowers and pneumatic tools. Site Resources Division. Please submit Transfer Request form to Diana Hubert, Human Resources and Occupational Medicine Clinic, Bldg. 400B, applying for Job ID #1602.

### Motor Vehicles

08 DODGE CALIBER - 49.3K mi. White, SXT 2.0L, s/roof. vg cond. Pics: \$9,000 neg. 398-8468 or zidkit@bnl.gov.  
02 DODGE GRD CARAVAN SPORT - 102.3K mi. Silver, 3 zn heat/ac, Quad seats, cc, CD, p/w, p/l, rec brakes/exhst, r/rack, Michelins, rem str. \$5,000 neg. Ext. 8205.  
02 VIKING POP-UP CAMPER 2480ST - sleeps 6-8, v/clean, no leaks, heat, hot water, fridge, storage, in/outdoor stove, canopy, new tires, \$3,200. 877-2600, marena@bnl.gov.  
02 FORD EXPLORER XLT - 120K mi. Black, 4.0 V6, 4WD, 15/20 mpg, alloy wheels, lthr, 3rd row seat, gd cond. \$4,500. Bernie, Ext. 2017 or bkosciuk@bnl.gov.  
97 VOLVO 850 - 140K mi. red w/beige interior; rear spoiler; 2 new tires; runs well. \$2,300 neg. Jill, Ext. 3173.  
96 TOYOTA COROLLA - 94K mi. green, excel cond, manual tranny, 34mpg, new clutch/batt. \$1,700. Sheryl, 929-8741.  
88 TOYOTA CAROLLA - 89K mi. a/t, mechanically sound, body not great shape, new batt. \$750. mvescovi@bnl.gov.

### Boats

25' SEARAY SUNDANCER - '98, 5.0 Bravo III Mercruiser Eng, new in '03, Bimini Top/Camper Canvas/Cockpit cover, pics. \$19,500 neg. excell. 495-1184, marescam@optonline.net.  
21' 2000 SEASWELL STRIPER 21 DOUL CON. - boat motor & trailer, 150 johnson w/low hrs, all grt shape, \$9,500 neg. Russell, Ext. 3745 or reburns@bnl.gov.  
19' 2005 SEA RAY BOW RIDER SPORT - 3.0L TKS MerCruiser, 135 HP, I/O, 33.8hrs, Custm Trailer, Bimini Top, Bow & Moorg Covers, AM/FM CD, full gauges, \$10,995 neg. 738-5345.  
12' HONDA AQUATRAX - Jetski, 3 person, turbo, orig owner, 58 mi, extended warr, incl trailer, small seller. \$6,500 neg. John, Ext. 7386 or halinski@bnl.gov.

### Tools, House & Garden

GARDEN SHED - Rubbermaid slide-lid shed, 5'x6'x4'6", assembled, v/gd cond, \$275 neg, Ext. 5936 or wlewis@bnl.gov.  
KITCHEN UTENSILS - IKEA kitchen set, used 1, 5 yr, 4 plates, cups, bowls, pan, cooking pots/\$20. Kwinten, Ext. 5649.

### Furnishings & Appliances

2/QUEENSIZE MATTRESSES & A SOFA - all in gd quality, \$50/ea, mattress, sofa/\$30/neg, u-pic-up, Eric20070422@gmail.com, Lu, Ext. 2458.  
KEURIG B31 MINI PLUS - coffee maker, like new cond, brews in under 2 mins, w/ instr, 60 Keurig cups/holder, new: \$160 plus, ask/\$85. Phil, Ext. 5669 or harringt@bnl.gov.  
MAYTAG NEPTUNE CLOTHES DRYER - gas, 3 yrs old, grt cond, \$200. Len, Ext. 4479, 513-6067.  
MEDICINE CABINET - 51Wx33.5Hx25 D, Oak, mirror Surface mount, \$50obo; space saver bathroom cabinet, w/shelf for over commode; pic avail. \$50 obo. 909-7080.  
MOVING SALE - master bdrm furn, l/r couch, loveseat, furn, d/r set, kitch table, folding picnic table, Christmas decor, much more. Ext. 3328 or mmccabe@bnl.gov.  
MOVING SALE - w/d, heater, coffee mkr, grill, Dell LCD mon., standg lamp, tble, etc, photo, price at <http://tinyurl.com/7ffo3jf>. 995-0816 (10a-7p), jingostar1980@hotmail.com.  
ROCKING CHAIR - white w/blue cushions + glider, paid/\$150, ask/\$50, pic in: <http://tinyurl.com/zidki-chair>. Tomer, 398-8468 or zidkit@bnl.gov.  
SAMSUNG WASHER & DRYER - new front loading w/extded warr. \$399/ea. 289-2266.

WARDROBE - solid timber, oak stain, adj. shelf/hanging rack, 1850 x1030 x580mm, 73 x41x23", v/gd cond/\$100/neg. Ext. 5936.

### Audio, Video & Computers

KINDLE - brand new in box, pd \$79+ship, will sacrifice \$70. Ben, 921-9133.  
PRINTER, MON - Dell All in One 924 Photo to Printer/\$50; Dell Flat Scrn 13" w computer mon/\$75; Epson Perfection 1260 color photo scanner/\$25. 603-731-8687.  
WIRELESS-G USB ADAPTER - Netgear WG111, work excel, in orig pack, \$10. Ext. 5049 or fu@bnl.gov.  
XBOX - 250gig slim version, Kinect ready w/built-in WiFi, controller, in orig box w/ cables, \$300. Renee, Ext. 8278.

### Sports, Hobbies & Pets

'97 FENDER USA STRATOCASTER - Sunburst, Maple Neck, \$495. Ext. 8186.  
BICYCLE - Trek Mountain Track 220, 18 gears, 24" wheels, v/gd cond, new/\$270, pics avail, \$100/neg. Ext. 5588, 905-3141.  
GOLF CLUBS - Taylormade Firesole irons 3 to 9, PW,AW,SW, new grips on graphite bubble shafts, grt cond, b/o. Ext. 5142.  
JETS TICKETS - 3 seats sect 344 row 7 seats 1213/14, 1st come 1st pick of games when schedule comes out, \$340/per game incl prkg pass Face Value! Ed, Ext. 2372, 626-3724.  
KILLINGTON LIFT TICKET - 1 Day Adult ticket avail, \$55, expires end of 2012 season. Colleen, Ext. 4919, cmichael@bnl.gov.  
LES PAUL ULTRA 2 GUITAR - Midnight Ebony, mint cond, hardly played/\$640, Jesse, Ext. 2122 or jmontoalto@bnl.gov.

### Miscellaneous

DRUM SET - 5 piece set with cymbals and all hardware, Remo heads. excellent condition \$250. Joseph, 235-0656.  
GHOST LUNT FONTANNE THEATRE - Orchestra Row V seats 109 & 110, pd new/\$210/both, selling/\$150. Ext. 6044.

### Car Pool

PLAINVIEW LIBRARY - established carpool needs 4th, 8 am - 4:30pm, leave Plainview-Old Bethpage library @7:15 Elliott Ext 2495, Pat Ext 6795. Leon, Ext. 2682.

### Community Involvement

4K FOR CANCER - This summer I will be making a trek, by bike, across the country from Balt to San Fran to raise money for cancer research. FYI, find a brochure in the PO. Thanks for any help. Kevin, 988-9541 or barnett.kevin.m@gmail.com.

### Happenings

SPRING FLING, APRIL 20 - Join in at The Flaming Hearth, 756 Horseblock Rd., Farmingville, 6pm. DJ Alex Petway, appetizers, 50/50 raffle, cash bar, \$10/advance, \$15/door. Charles Gardner, 219-2884.

### Farewell Gathering

CLAIRE RETUNDI - Join us in congratulating Claire on her retirement at the Sea Basin on 3/14 @ 11:45 am for lunch. RSVP w/\$30 pymt to: Heather, Ext. 4138 or hokula@bnl.gov.

### Free

BOY'S COMMUNION SUIT - Navy Blue size 12 suit, purchased new from Rico's in Ctr Moriches, worn once, dry cleaned. Jeanne, Ext. 4929 or jvolkmann@bnl.gov.  
RED EAR SLIDER TURTLE - A turtle searching for a new home (moving overseas) w/30gal tank incl stand/filters/lamp/basking platform/food req v/low maint, great for kids. Hadara, 803-6474.

### Wanted

KNIVES - Knife collector wants to buy your interesting Knives. Butch, 924-5249.  
PROM ITEMS - brand new makeup, gently used bags, jewelry, accessories, no dresses accepted unless over size 14 and freshly dry cleaned. must have by Friday 3/16, THANK YOU. Christine, Ext. 5090 or ccarter@bnl.gov.  
TRICYCLE - or 10-12" toddler bike. Ext. 7761.  
WEIGHT EQUIPMENT - used weights, dumb bells, squat rack. steve191418@gmail.com.

### For Rent

SPRING HILL, FL - priv ranch on Gulf, 70m Orlando, 45m Tampa, fly Islip direct, near beach/tennis/park, SW architecture, 3/ bdrm, 2/bath, d/r, f/p, 2gar, igp in lanai, fruit trees, see review.oktane.net/HouseTour. \$450/wk, or SALE \$125,000 neg. 344-5537.  
BELLPORT - sunny 2 bdrm upstairs apt, newly renov kitch & bath, heat & water incl, walk to shopping and bay, golf, tennis & ocean beach privileges. 869-5635.  
CALVERTON - Newly renov 2BR, 2bath, Kit w/dw, D/R, lrg L/R w/vaulted ceilings, w/d & shed on prop. No smkg/pets, refs & cc reqd, 2mos+util. \$1,800/mo. 591-2772.  
MASTIC BEACH - 4 bdm ranch, fend yd, nr high school, full bath and bsmt. \$1,600/mo. Ext. 7658 or ahead@bnl.gov.  
MASTIC BEACH - 4 bdrm ranch, 100 x 100 property, quiet st, full bath, nr water. \$1,500/mo. Ext. 7658, ahead@bnl.gov.  
MIDDE ISLAND - 2 bdrm 2 bathroom condo, waher/dryer, eat in kitchen, upper flr, 1300sq ft, 7 min to BNL. \$1,850/mo. icesnowyew@gmail.com.  
MOUNT SINAI (CEDAR BEACH) - 1 bdrm waterfront cottage w/sm yd, full bath, beautiful location, priv beach rights, no pets, util not incl, single person only. \$1,250/mo. Jackie Wolosin, 928-2927 or jpereiro@bnl.gov.



Joseph Rubino D1660212

With Nicole Bernholz (third from right) of the Safety and Health Services Division, are craftworkers from Central Fabrication Services Division shown with machined parts to be installed at NSLS-II. From left: Christopher Manning, Roy Sampson, Richard Savoy, Craig Danforth, Ernst Sohn, General Supervisor Al Farland, Dennis Malloy, and Kevin Campbell. Missing from the photo are Robert Geib and Water Ducoing.

## Ward Melville Students Go 'Shopping' At BNL's Central Fabrication Services Division

Central Fabrication Services (CFS) recently demonstrated their expertise to students from Ward Melville High School. The students, who are part of a school program called "Mechatronics," took a field trip to the Lab to gain a better understanding of what large-scale shops really do. Mechatronics is a multidisciplinary, integrative program — a combination of engineering and design methodologies, including mechanical and electronic engineering — hence "mechatronics."

The outing was arranged by Nicole Bernholz of the Safety and Health Services Division and Al Farland, General Supervisor of CFS, with Steve Rogers, a mechatronics teacher at Ward Melville High School.

"The students seemed amazed at the size of the shop and the wide range of equipment we have at the Lab," said Farland.

"They were very interested in how the equipment worked and what types of items we can create. We were all happy to share our knowledge with them."

After putting on safety glasses and ear protection, the students visited four separate workstations to listen to overviews and watch equipment demonstrations by CFS staff.

Kevin Campbell gave a general overview of fabrication skills and explained how machines are programmed and operated using the technique computer numerical control (CNC).

Farland had some of the employees demonstrate the techniques of water jet cutting, oxyfuel cutting, CNC tube welding, and CNC in sheet metal fabrication.

Dennis Malloy explained the importance of inspecting parts to ensure they meet job criteria and how the coordinate mea-

suring machine provides exact dimensions for projects before assembly and machining actually begins.

Christopher Manning introduced the students to Mastercam programming and impressive 3-dimensional printing, which is used to make 3-D prototypes and plastic models of the part before the "real thing" is constructed. Manning also described how wire electrical discharge machining uses electricity to cut metal.

Comments and questions from the students and teacher confirmed that the visitors were thoroughly impressed. "This type of field trip allows our students to see industrial skills at work in a genuine setting," said Rogers. "On behalf of the students, I thank the fabrication shop's employees at BNL for sharing their knowledge with our future generations of skilled craftsmen." — Jane Koropsak

## Singgalot Exhibition - History of Filipinos in America Wang Center, Stony Brook University, until 4/22 Special Artists & Activists Panel Discussion, 3/13

The BERA Social and Cultural Club and the BERA Asian Pacific American Association are collaborators in an event currently at the Wang Center at Stony Brook University.

"Ties that Bind: Filipinos in America from Colonial Subjects to Citizens" is a free exhibition that details the history of Filipinos in America, honoring early immigrants and the generations after them, and showing Filipino-American culture through historical photographs. Singgalot celebrates the vital contribution made by Filipino Americans to Pacific trade, military service, the arts, and civil rights activism. The exhibition is open from 10 a.m. to 6 p.m. weekdays, and noon to 5 p.m. on weekends. It was developed by the Smithsonian Asian Pacific American Program and organized by the Smithsonian Institution Traveling Exhibition Service.

The Pinoyorker Panel of Filipino Artists and Activists will discuss Filipino-American experiences in New York arts and activism during a free event that will be held in the Wang Center on Tuesday, March 13, at 7 p.m. Panelists include author, musician, and playwright Jessica Hagedorn; political scientist and author Kenneth Bauzon; film and video maker and freelance curator Angel Velasco Shaw; and moderator SBU professor and fellow "Pinoyorker" Nerissa Balce. To learn more, go to [www.stonybrook.edu/commcms/wang/programs/exhibitions.html](http://www.stonybrook.edu/commcms/wang/programs/exhibitions.html).

## Reminder From the Benefits Office

**Deadline to Submit 2011 Claims For Flexible Spending Account, 3/31**

March 31 is the last day to submit claims for 2011 reimbursement accounts. Instructions for how to submit claims to PayFlex, the company that manages employees' flexible spending accounts, are available online: [www.bnl.gov/hr/Benefits/ReimbursementAccounts.asp](http://www.bnl.gov/hr/Benefits/ReimbursementAccounts.asp).